

Fig.1 Natural brassinosteroids.

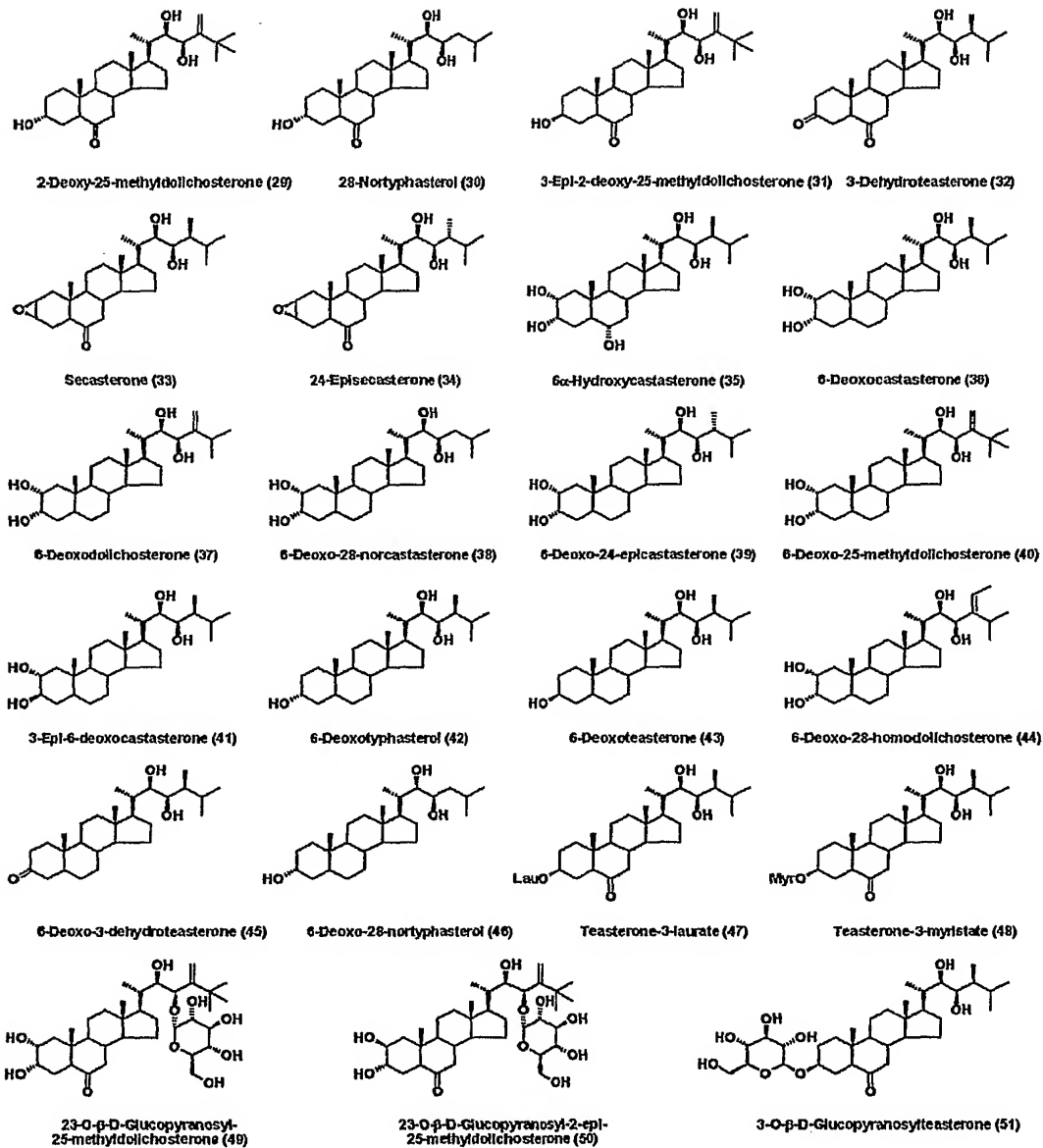


Fig. 2 Natural brassinosteroids (continued).

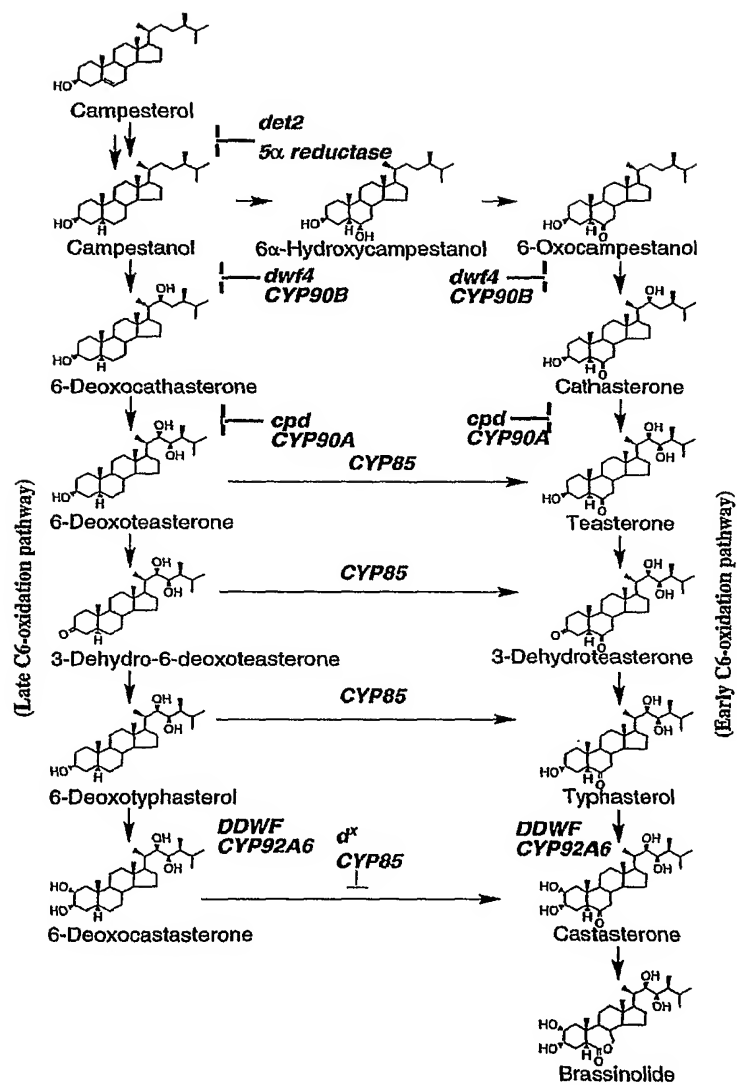


Fig. 3

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DOGt1      : MVSETTKSSPL-----HFVLPFPFMAQGHMIPMDIARLLAQKGVIIITIVTTPHNAARFKNVLNRAIES-GLPINLVQVKFPYL: 77
Vigna_ADGt9 : MVLQTNVNP-----HFVLPFPMAQGHIIIPMDIARLLAQKGVIIITVFTTPKNASRFNSVISRAVSS-GLKIRLVQLNFPFSK: 75
Nicotiana_TOGt1 : MG-----QL-----HEFFFPVMAHGHMIPDLDAKLEFASRGVKATIIITPLNEFVFSKAIQRN-KHLGIEIEIRLIKFPVAV: 70
Nicotiana_Is5a : MG-----QL-----HIFFPVMAHGHMIPDLDAKLEFASRGVKATIIITPLNEFVFSKAIQRN-KHLGIEIEIRLIKFPVAV: 70
Oryza_AP002523 : MSSAGHAVDQQRKSTTMKAHFVLPVMAQGHMIPMTGMAKLLAEHGAQVSEVTPPVNAARMA-GEVTAVEAAGLAVQLVKLPFPAT: 85
Lycopersicon_Twil : -----HFFFPDDAQGHMIPDLDAKLVVACRGVKATIIITPLNESVFSKAIERN-KHLGIEIDIRLLKFPFAK: 66
Dorotheanthus_50GT : MGTHTST-APDL-----HVVFPFLAHGHMIPSLDIAKLEFAARGVKTTIIITPLNASMFTKAIKTRKNTETQMEIEVFSFPSE: 77

DOGt1      : EAGIQEGQENIDSLDTMERMIPEFKAVNFELEPVOKLIEMNPRPSCLISDFCLPYTSKIAKKFNIPKILFHGMGCFCLLCMHVR:163
Vigna_ADGt9 : EAGIREGCENLDMVSSND-MSKIFQVIHMPQKPAEEFFQITLPKPSCLISDFECIAWTIQLAEKYHIPRVSEHGFSCEFCHCRYVTH:160
Nicotiana_TOGt1 : ENGLPEECERLDQIPSDKLPNFFKAVAMQOEPLQLIEE--CRPDCLISDMFLPWTDTAAKFNIPRIVFHGTSTFALCVENSVR:154
Nicotiana_Is5a : ENGLPEECERLDQIPSDKLPNFFKAVAMQOEPLQLIEE--CRPDCLISDMFLPWTDTAAKFNIPRIVFHGTSTFALCVENSVR:154
Oryza_AP002523 : EFGLPDGCENLDMIQSRDLSRNFMEACGALREPLTARLQLCPPFSCIIISDMVQWWTGEIARELGIPRLTFDGFCTFASLARYIF:171
Lycopersicon_Twil : ENDLPEDCERLDLVPSDDKLPNFKAAAMMKDEFELIGE--CRPDCLVSDMFLPWTDTSAAKFSIPRIVFHGTSTFALCVGDTIR:150
Dorotheanthus_50GT : EAGLPPLGCENLEQAMAIGANNEFFNAANLLKEQLENFLVK--TRPNCLVADMFTMAADSTAKFNIPITLVFHGFSFFAQCAKEVMW:161

DOGt1      : KNREILDNLKSDKELETVPDFPDRVEFTRTQVPV-ETVVPAGDWKDI FDGMVEANETSYGVI VNSFQELEPAYAKDY-KEVRSKA:247
Vigna_ADGt9 : TS-DFCRSITSESKYFTIPGIPDKIQVTKELPG-SLATDLDKFD---QVRDAEKKSYGVI VNTFWRVGEGICEGFSRRLKNNKA:241
Nicotiana_TOGt1 : LNKPF-KNVSSDSETFVVPDLPHKIKLRTQVSPFERSGEETAMTRNIKTVRSDSKSYGVWFNSFYELETDYVEHYTKVL-GRRA:238
Nicotiana_Is5a : LNKPF-KNVSSDSETFVVPDLPHKIKLRTQVSPFERSGEETAMTRNIKTVRSDSKSYGVWFNSFYELETDYVEHYTKVL-GRRA:238
Oryza_AP002523 : RDK-LLDNVA-DEEIVTFSGFPMLLELPKARCPG---SLCVPGMQEQRDKMYEELQSDGNMNSFQELETLYIESFEQ-ITGKKV:251
Lycopersicon_Twil : RNKPF-KNVSSDSETFVVPDLPHKIKLRTQLSPFEQSDSEETGMAPMIKAVRESDAKSYGVIFNSFYELESDYVEHYTKV-GRKN:234
Dorotheanthus_50GT : RYKPY-KAVSSDTEVESLPFLPHKIKLRTQLSPESMRKGEETHFTKRTERTRELERKSYGVIVNSFYELEPDYADEFLRKEL-GRRA:245

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Fig.4

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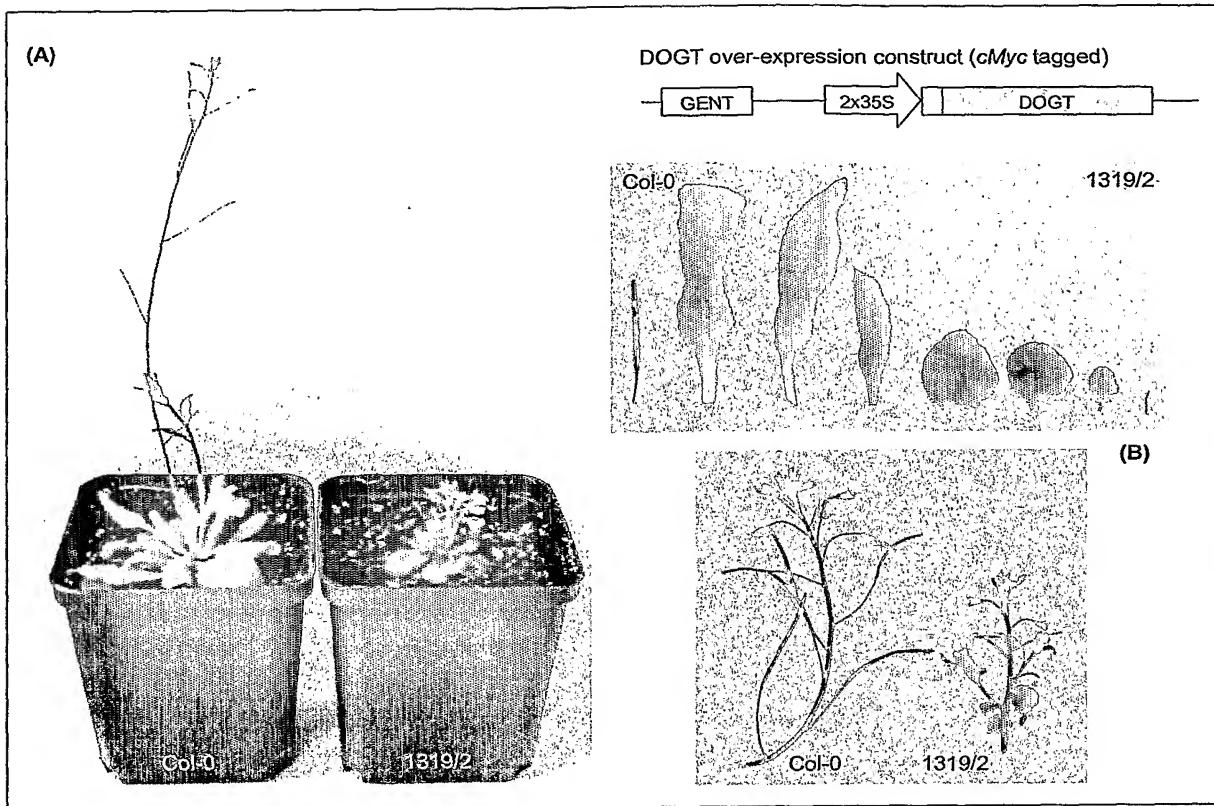


Fig. 5

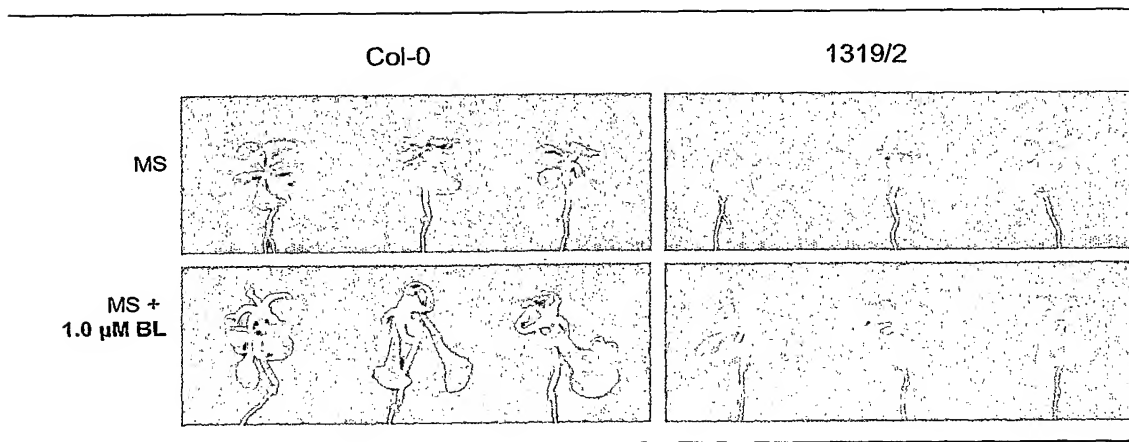


Fig. 6

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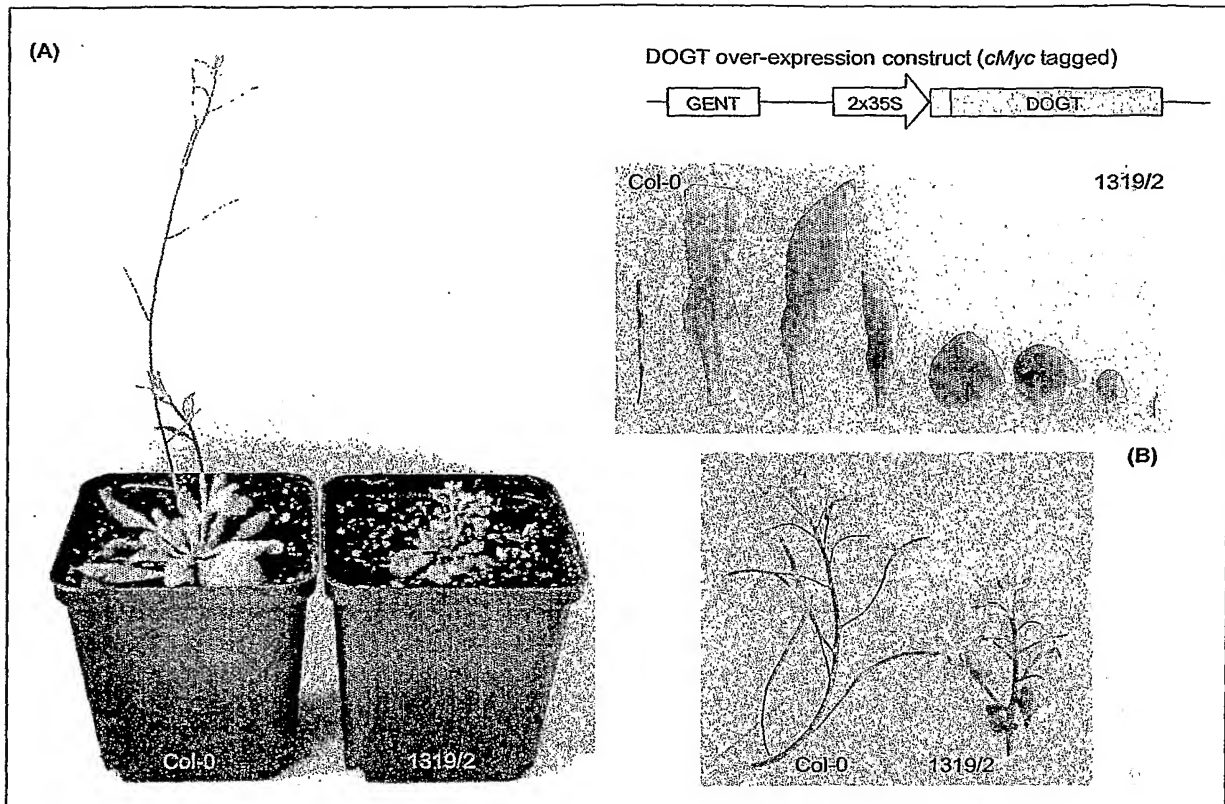


Fig. 5

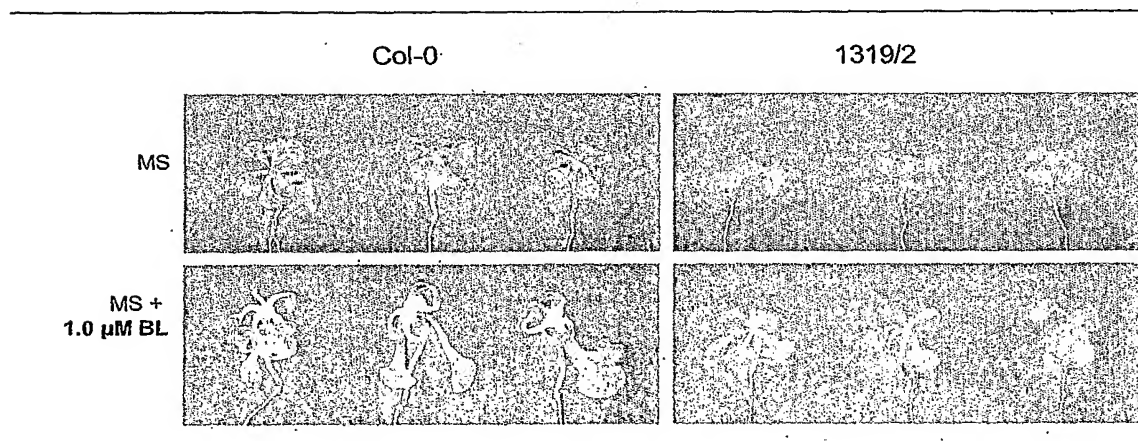


Fig. 6